Baros Sapphire Mattress

User Instructions
Maximum User Weight 70st/450kg

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General Warnings and Precautions

WARNING: DO NOT use this device if the power cord is cut, frayed or loosely connected to the device.

WARNING: (110V unit) Electrically Powered Mechanism. Electrical Hazard may occur if device is plugged into inadequate electrical outlet. To avoid electrical shock hazard, make sure unit is plugged into a grounded A/C 110V outlet.

WARNING: (220V unit) Electrically Powered Mechanism. Electrical Hazard may occur if device is plugged into inadequate electrical outlet. To avoid electrical shock hazard, make sure unit is plugged into a grounded A/C 220V outlet.

WARNING: DO NOT remove cover. Refer servicing to qualified service personnel. Disconnect power supply before servicing or cleaning.

WARNING: Be sure to secure mattress to the bed frame with the straps provided. Failure to do so could result in personal injury or equipment damage.

CAUTIONS

CAUTION: Overheating may cause equipment damage or failure. Monitor the unit to ensure that it functions in the proper operating temperature.

CAUTION: Keep out of direct sunlight.

CAUTION: DO NOT store in temperatures below 0°F (-18°C) or above 95°F (35°C).

CAUTION: DO NOT expose to moisture or areas of humidity greater than 95%.

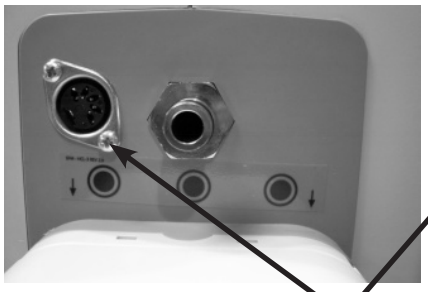
CAUTION: Ensure that strap placement does not interfere with the operation of the bed functions.

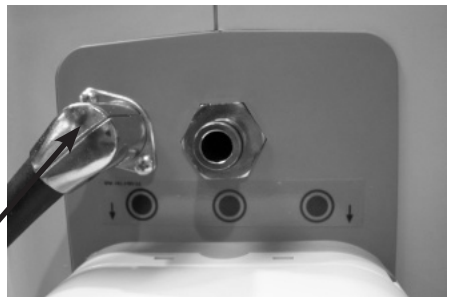
CAUTION: Medical Electrical Equipment needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided in this manual. Portable and mobile RF communications equipment can affect Medical Electrical Equipment. The use of Accessories, transducers, and cables other than those specified by the manufacturer, may result in increased emissions or decreased immunity of the equipment or system.
The equipment or system should not be used adjacent to or stacked with other equipment and that if adjacent or stacked use is necessary, the equipment or system should be observed to verify normal operation in the configuration in which it will be used.

CAUTION: DO NOT use around an open flame.

Operating Instructions

1) Remove standard mattress from the bed.
2) Replace standard mattress with the SAPPHIRE SERIES® 1100 or 1100EC mattress. (Be sure air tubing is at the foot end of the bed.)
3) Strap air support mattress to bed frame on all four sides.
4) Place control unit on the footboard of the bed using the two retractable hooks located on the back of the unit. (If no footboard is available, put blower on the floor away from traffic.) To avoid blocking the air intake, **DO NOT** place control unit on its back.
5) Attach the air tubing to the blower unit, being sure it snaps in tight. (Be sure air tubing is not kinked and is unobstructed.)
6) **NOTE: (110V unit ONLY)** Plug unit into grounded 110V A/C outlet.
7) **NOTE: (220V unit ONLY)** Plug unit into grounded 220V A/C outlet.
8) Turn master power switch, located on the side of the unit, on.
9) Press the Autofirm button for quick inflation.
10) Place the patient on the bed **after** inflation to insure the air cells do not become twisted or kinked.
11) To get the control unit out of **Autofirm** mode, press **Autofirm** button again.
12) **Static Mode**
a. Press the **Mode** button until the **Static** option light comes on.
b. Set the desired comfort level with the Soft/Firm buttons
13) **Alternating Mode**
a. Press the **Mode** button until the **Alternate** option light comes on.
b. Set the desired cycle time with Cycle Time buttons (3-20 minutes)
c. Set the desired comfort level with the Soft/Firm buttons.
14) **Fowler Mode**
a. When elevating the head section of the mattress, press the Fowler button to increase airflow for seat inflation.
15) **Auto Fowler attachment** ***(Optional)***
a. When elevating the head section of the mattress, Fowler mode will automatically turn on.





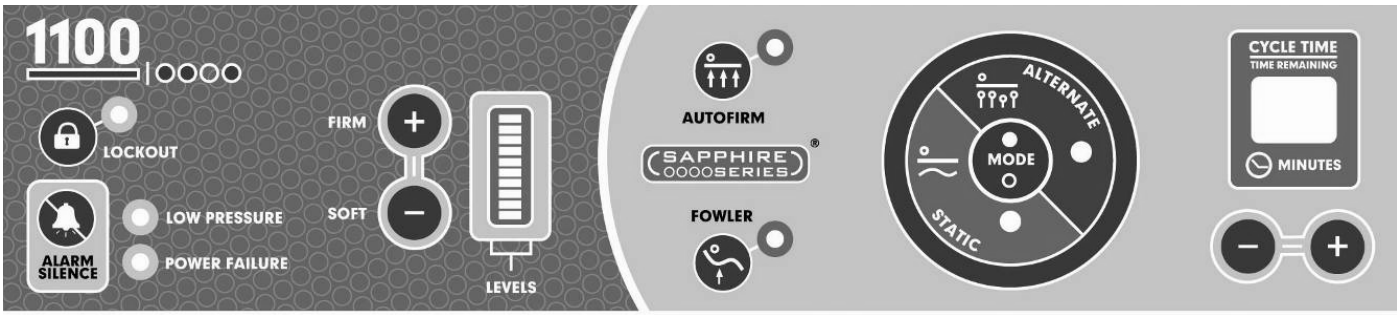
This is where the Auto Fowler attachment connects to the control unit.
16) Lock-out Feature

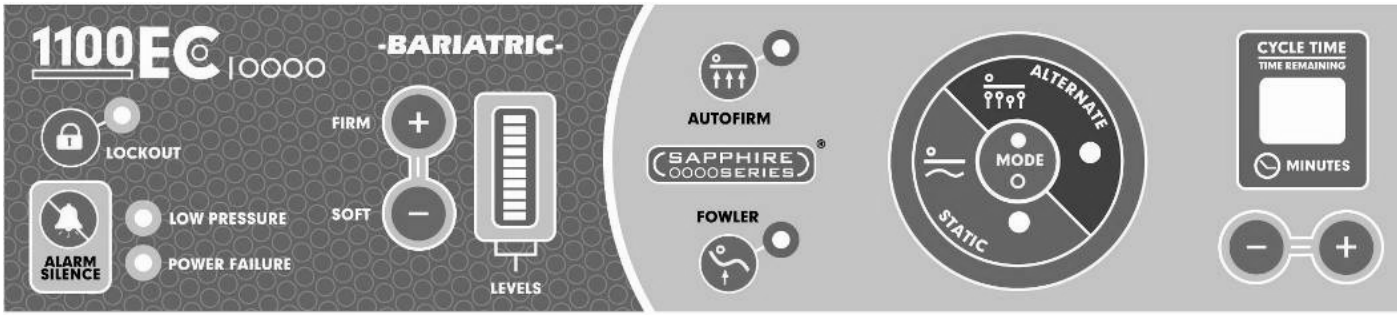
a. After 3 minutes, if there are no changes to the blower settings, the lockout feature will activate.
b. Press and hold the Lock-out button for 3 seconds to disengage the lock-out feature.

17) For quick deflation or for CPR use:
a. Turn power off
b. Twist CPR plug on the mattress to open.
c. Remove the hoses from the control unit.

Notice: The mattress is equipped with a 2-inch foam pad in the mattress base for patient support and transport.

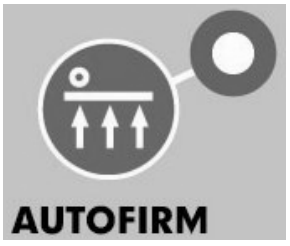
Keypad Quick Reference





Lockout –
Locks all functions automatically after 3 mins. To disable, press and hold lockout button for 3 sec.

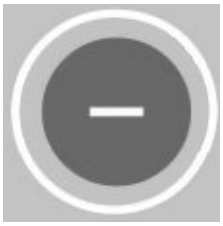
Firm –
Increases airflow for a firmer setting.



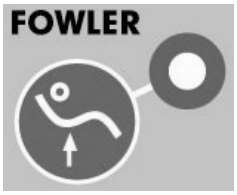
Autofirm –
Quickly inflates mattress to maximum firmness.

Cycle Time –
Increases or decrease the time of cycle between 3 to 20 minutes.

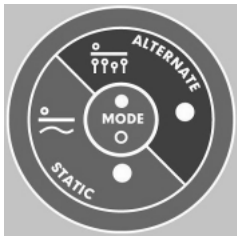
Alarm Silence –
Mutes the audible alarm. (Visual light will not turn off until failure is resolved.)



Soft –
Decreases airflow for a softer setting.



Fowler –
Used when head section of bed is elevated. Increases airflow to the mattress.



Mode –
Press the MODE button to switch between Alternate and Static modes.

Refer to this page as needed for quick reference to the control panel functions. Provides individual button illustration and function description.

Mattress Cleaning Instructions

WARNING and CAUTION:

A. It is recommended that gloves and protective clothing be worn at all times during cleaning and disinfecting
B. Hypercarbonate and phenol based solutions **should not** be used.

During Operation:

For normal soil, wipe down cover and interior sacs with a standard cleaning disinfectant and wipe off excess moisture with a towel.

Laundering Mattress:

1. Disconnect the power from the Control Unit and deflate the interior sacs.
2. Disassemble cover, interior sacs, connecting hoses, and base. Place them in different laundering baskets.
3. The interior sacs must be hand cleaned only. DO NOT place in sterilization room or chamber. Use a spray disinfectant to wipe down interior sacs. Air-dry sacs. **DO NOT expose to heat.**
4. Spray disinfectants and wipe down foam cover.
5. Place cover and base **ONLY** in washing machine.
6. Use standard hospital disinfectant/detergent.
7. Set washing cycles as recommended below: **Regular Cycle**

a) Pre-soak with disinfectant/detergent with diluted bleach in cold water (10 minutes.)
b) Main wash for 15 minutes (Time depending on soil level).
c) Rinse Cycle: 5 minutes minimum.
d) Spin/Drain Cycle: 5 minutes minimum.
e) Air-dry or place in dryer at very low or no heat.

8. After the cover, interior sacs, and base are dry, store them in a sterilized bag and seal for next use.

NOTICE: DO NOT use water temperatures greater than 150°F (65°C).

Blower Unit Cleaning Instructions

WARNING and CAUTION:

A. Hand clean only. DO NOT place in sterilization room or chamber.
B. It is recommended that gloves and protective clothing be worn at all times during cleaning and disinfecting

C. Hypercarbonate and phenol based solutions should not be used.
D. Make sure unit is turned “off” and unplugged before cleaning.

For normal soil, wipe down with a standard cleaning spray and wipe off excess moisture with a towel. Spray with a disinfectant and let it stand for a few minutes before wiping down. Check corners and creases for soil build-up. Look to see if any external parts are damaged or need replacing such as: hooks, foot pads and filter. Replacement parts can be issued. Contact your representative for servicing.

NOTE: To keep your equipment working efficiently and effectively for an extended time period, it is

Maintenance:

Air Filter

The foam air filter on the back of the Control Unit must be cleaned weekly with soap and warm water. Replacement of the foam filter is recommended every 6 months.

Instructions relating to the inflation of extension arms

Within the sleeve (A) that contains the hose tubes are 2 additional tubes that operate the width expandable air cells as indicated in picture 1

To inflate one or either side you will need to connect these tubes as indicated in picture 2

To deflate extension arm/s-depress the grey button (B) and pull apart

Picture 1

Picture 2

B

Technical Specification	
Mattress available with inflatable wings to 48”(120cm) & can be used in conjunction with our Baros Acute Extendable Bed Depth 9”(23cm)	
Product Weight	11.9kg
Pump Weight	6.1kg
Maximum User Weight	70st/450kg